

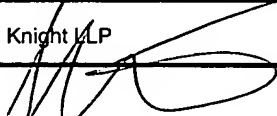
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		Filing Date August 22, 2006
		First Named Inventor Serge Kaliaguine
		Art Unit <i>[Handwritten Signature]</i>
		Examiner Name Not yet assigned
Total Number of Pages in This Submission		Attorney Docket Number 047976.00068

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Date	April 6, 2007	Reg. No.	29,702

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2

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Application Number	10/590,108
Filing Date	08/22/2006
First Named Inventor	Serge KALIAGUINE
Art Unit	
Examiner Name	
Attorney Docket Number	047976.00068

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5,438,082	08-01-1995	Helmer-Metzmann et al.	
	2	US- 6,090,895	07-18-2000	Mao et al.	
	3	US- 5,795,496	08-18-1998	Yen et al.	
	4	US- 5,561,202	10-01-1996	Helmer-Metzmann et al.	
	5	US- 6,365,294	04-02-2002	Pintauro et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	1	EP 0008895	01-19-1983	Rose		
	2	CA 2,098,238	04-13-2004	Helmer-Metzmann et al.		
	3	CA 2,256,829	06-18-2000	Kaliaguine et al.		
	4	CA 2,238,189	08-29-2006	Narayanan et al.		
	5	CA 2,343,184	03-23-2000	Charnock et al.		

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Application Number	10/590,108
Filing Date	08/22/2006
First Named Inventor	Serge KALIAGUINE
Art Unit	
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
1	G. Pourcelly and C. Gavach, Perfluorinated Membranes, in Philippe Colombe (Editor) Proton Conductors: Solids, Membranes and Gels-Materials and Devices, Cambridge University Press, New York, 1992, pp. 294-310		
2	O. Savadogo, Emerging Membranes for Electrochemical Systems: (I) Solid Polymer Electrolyte Membranes for Fuel Cell Systems, J. New Mat. Electrochem. Syst., 1, 1998, 47-66		
3	T. Kobayashi, M. Rikukawa, K. Sanui, N. Otega, Proton Conducting Polymers Derived from Poly(ether-Etherketone and Poly(4-phenoxybenzoyl-1,4-Phenylene), Solid State Ionics, 106, 1998, 219-225		
4	J. Kerres, A. Ullrich, and Th. Harring, New Ionomer Membranes and their Fuel Cell Application: 1. Preparation and Characterization, 3 rd Int. Symp. on New Materials for Electrochemical Systems, Montreal, Canada, July, 1999, 231-232		
5	S.M.J. Zaidi, S.D. Mikhailenko, G.P. Robertson, M.D. Guiver, and S. Kaliaguine, Proton conducting composite membranes from polyether ether ketone and heteropolyacids for fuel cell applications, Journal of Membrane Sci., 173, 2000, 17-34		
6	B. Bonnet, D.J. Jones, J. Rosière, L. Tchicaya, G. Alberti, M. Casciola, L. Massinelli, B. Bauer, A. Peraio, and E. Ramunni, Hybrid organic-inorganic membranes for a medium temperature fuel cell, Journal of. New Mat. Electrochem. Syst., 3, 2000, 87-92		
7	X. Jin, M.T. Bishop, T.S. Ellis, and F.E. Karasz, A Sulphonated Poly(aryl Ether Ketone), British Polym. J., 17, 1985, 4-10		
8	G.P. Robertson, S.D. Mikhailenko, K.P. Wang, P.X. Xing, M.D. Guiver, and S. Kaliaguine, Casting Solvent Interactions with Sulfonated Poly(Ether Ether Ketone) during Proton Exchange Membrane Fabrication, J. Membr. Sci., 219 (2003) 113-121		
9	S. Kaliaguine, S.D. Mikhailenko, K.P. Wang, P.X. Xing, G. Robertson, M.D. Guiver, Properties of SPEEK based PEMs for Fuel Cell application, Catalysis Today, 82 (2003) 213-222		
10	S.D. Mikhailenko, K. Wang, S. Kaliaguine, P. Xing, G.P. Robertson, M. Guiver, Proton Conducting Membranes Based on Cross-linked Sulfonated Poly(ether ether ketone) SPEEK), J. Membr. Sci., 233 (2004) 93-99		

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